



ACHIEVEMENT GAP

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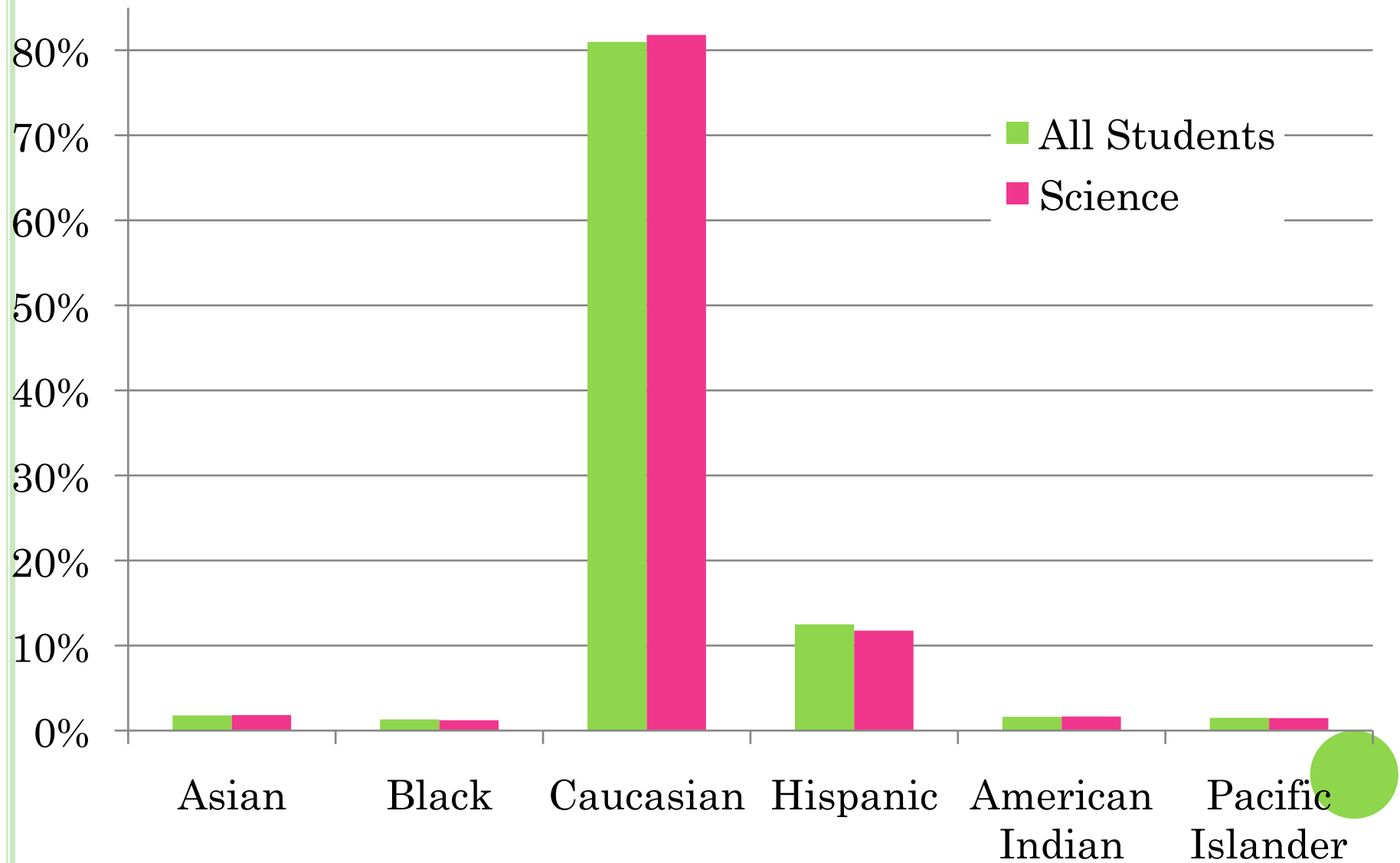
PERCENTAGE OF SECONDARY STUDENTS TAKING A SCIENCE BY GRADE, SY 2008

	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Distinct Student Count
Integrated Science	97.2%	98.2%	0.5%	0.3%	0.1%	0.1%	83,559 (35.9%)
Earth Science	0.5%	0.3%	75.2%	2.5%	4.1%	3.1%	32,603 (14.0%)
Biology	0.2%	0.4%	20.0%	62.6%	21.1%	15.4%	44,905 (19.3%)
Chemistry	-	-	0.4%	17.8%	29.3%	9.6%	20,888 (9.0%)
Physics	0.0%	0.0%	0.5%	5.8%	14.6%	11.2%	11,461 (4.9%)
All Science	97.6%	98.4%	95.0%	86.2%	64.4%	35.4%	188,361 (83.9%)

UTAH STUDENT ENROLLMENT BY RACE/ ETHNICITY

	Caucasian	Hispanic	Asian	Pacific Islander	American Indian	Black	All
SY '04	403,883	54,316	8,029	6,725	7,979	5,807	488,021
	82.8%	11.1%	1.6%	1.4%	1.6%	1.2%	100%
SY '05	407,124	58,020	8,160	,6908	7,945	6,231	495,886
	82.1%	11.7%	1.6%	1.4%	1.6%	1.3%	100%
SY '06	414,521	62,874	8,452	7,284	7,921	6,726	509,537
	81.4%	12.3%	1.7%	1.4%	1.6%	1.3%	100%
SY '07	422,683	69,140	8,634	7,688	7,933	7,248	525,452
	80.4%	13.2%	1.6%	1.5%	1.5%	1.4%	100%
SY '08	428,703	75,322	9,004	8,131	7,847	7,673	539,094
	79.5%	14.0%	1.7%	1.5%	1.5%	1.4%	100%

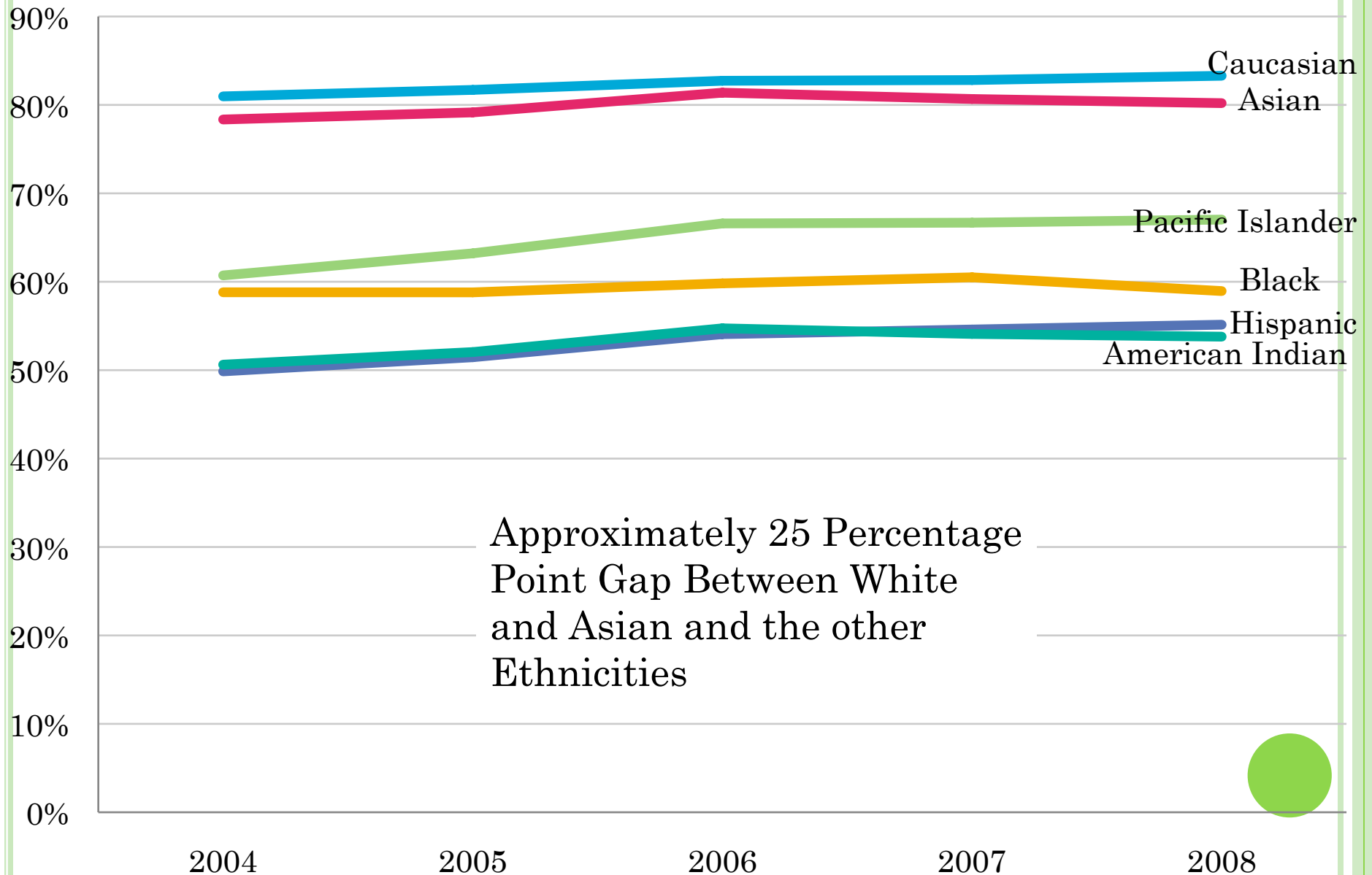
SECONDARY SCIENCE ENROLLMENT COMPARED TO TOTAL SECONDARY ENROLLMENT, SY 2008



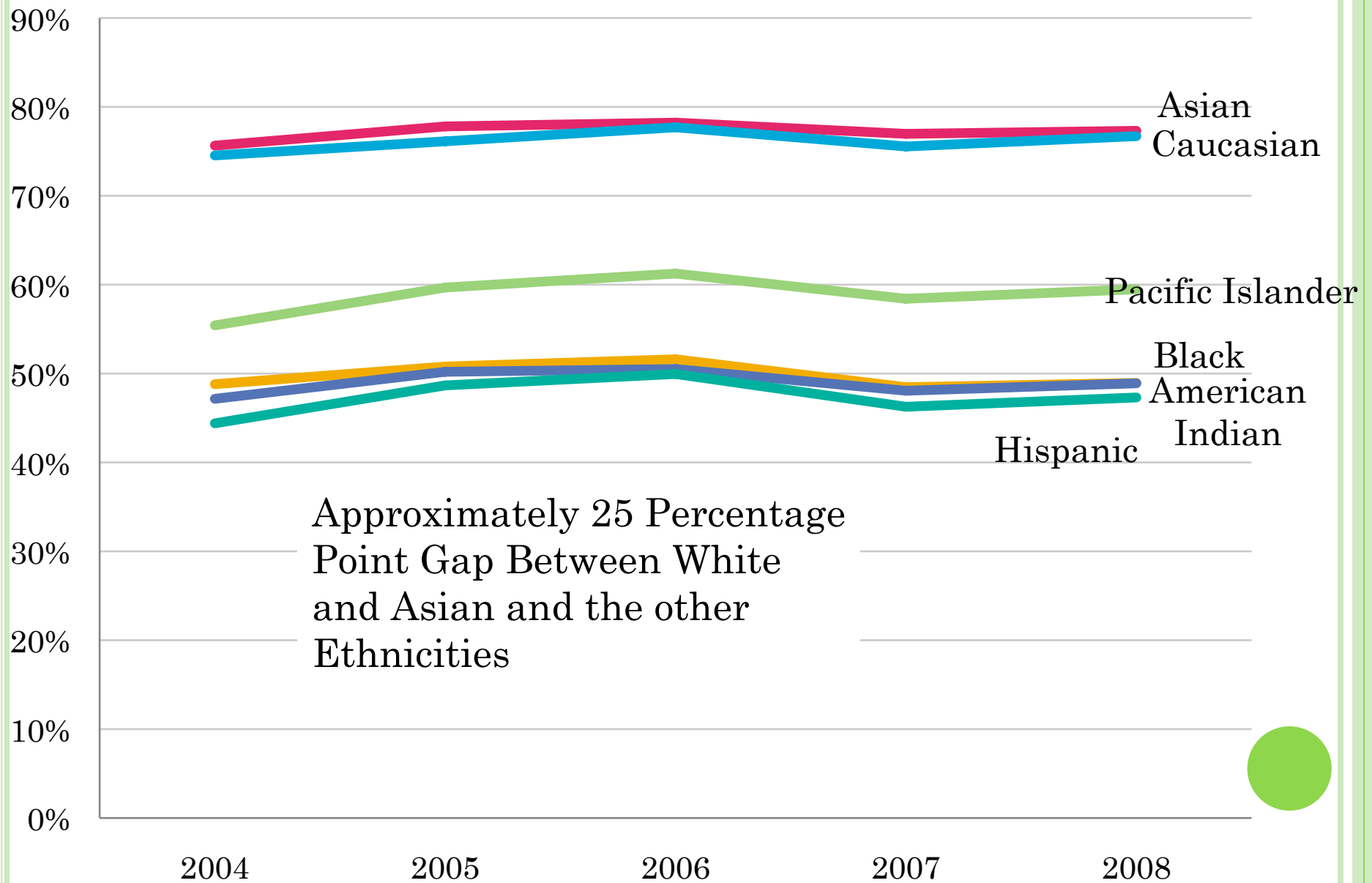


Achievement Gap

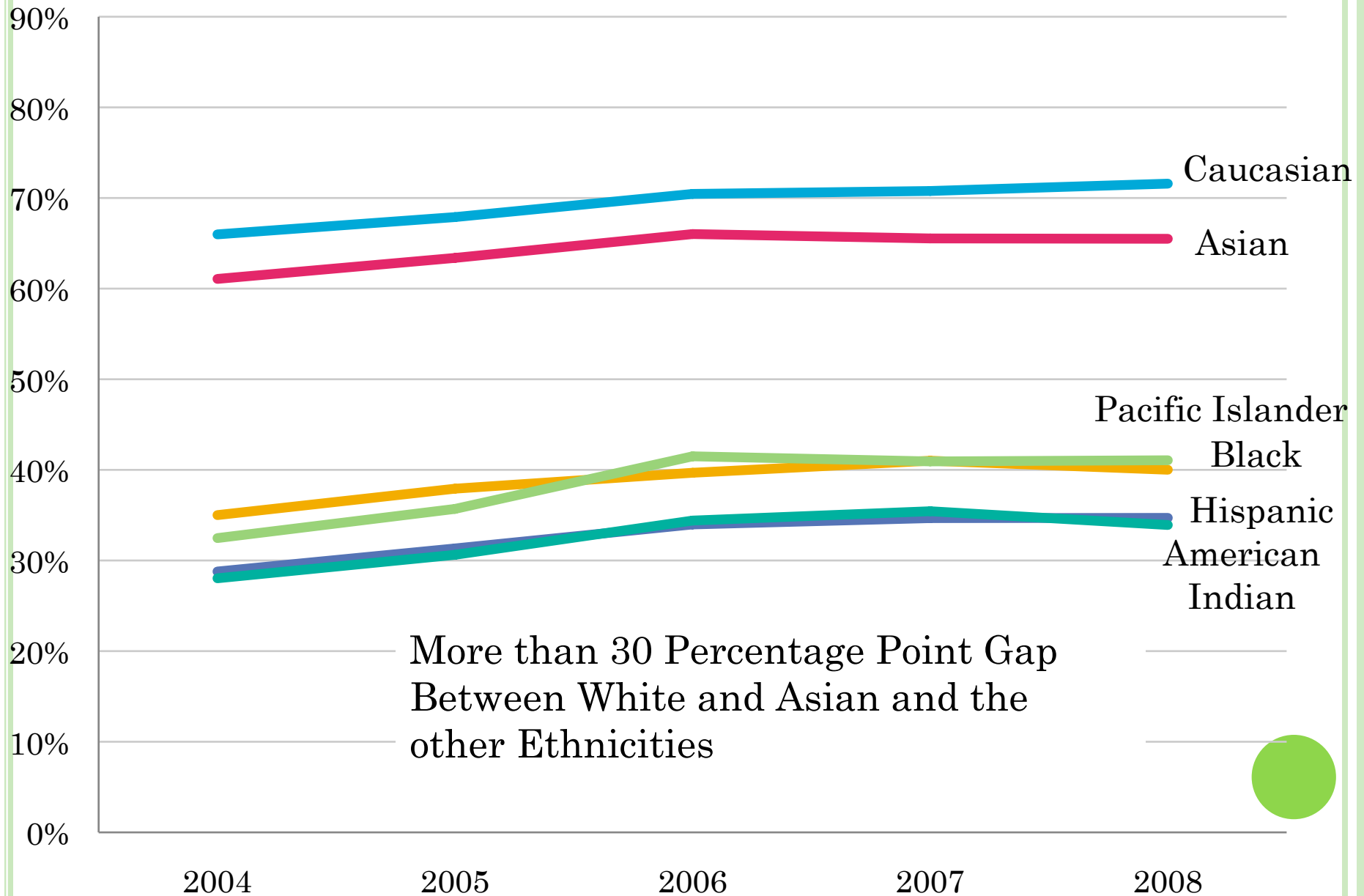
PERCENT PROFICIENT ON LANGUAGE ARTS CRT BY ETHNIC SUBGROUP, 2004-08



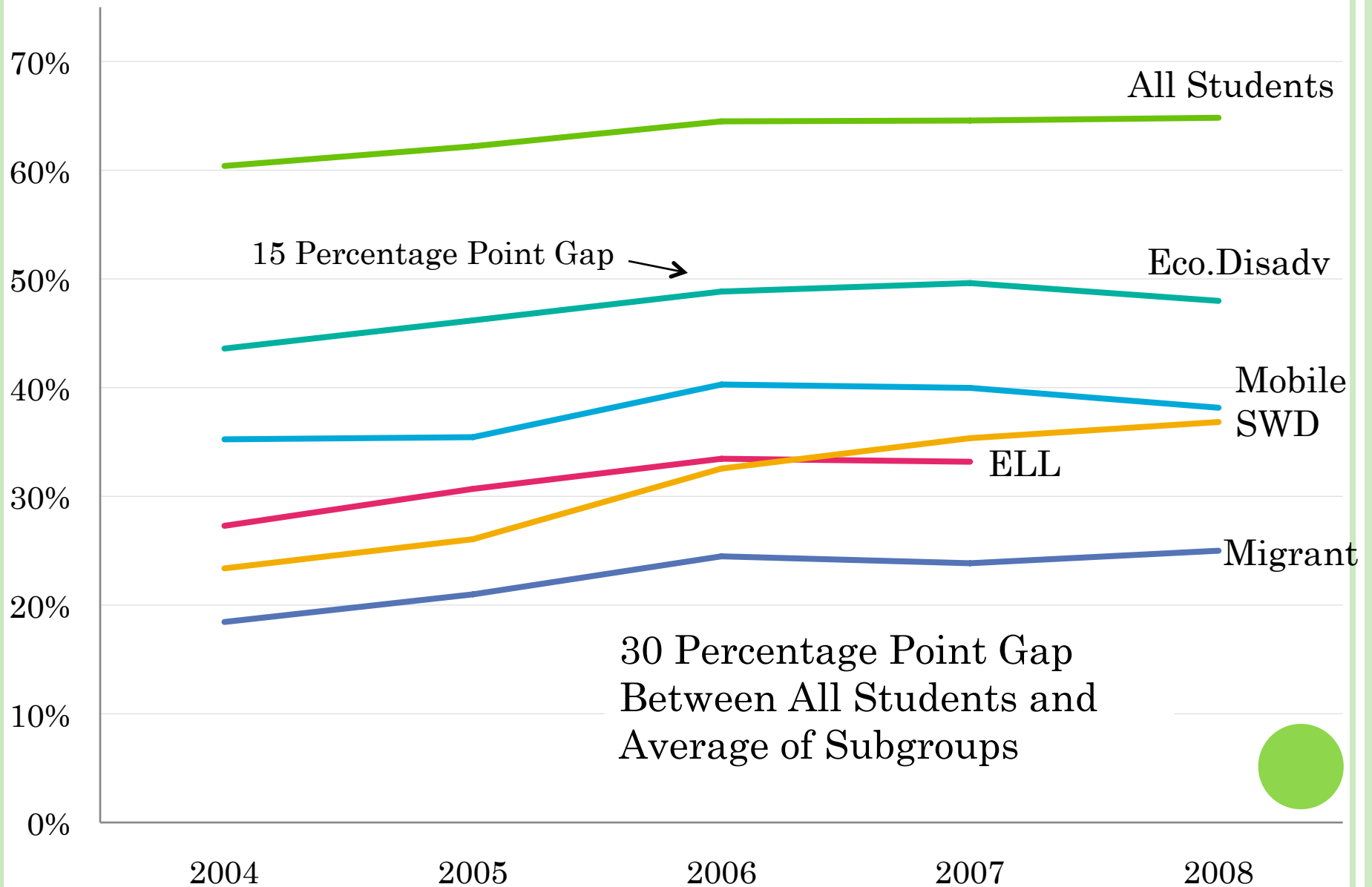
PERCENT PROFICIENT ON MATHEMATICS CRT BY ETHNIC SUBGROUP, 2004-08



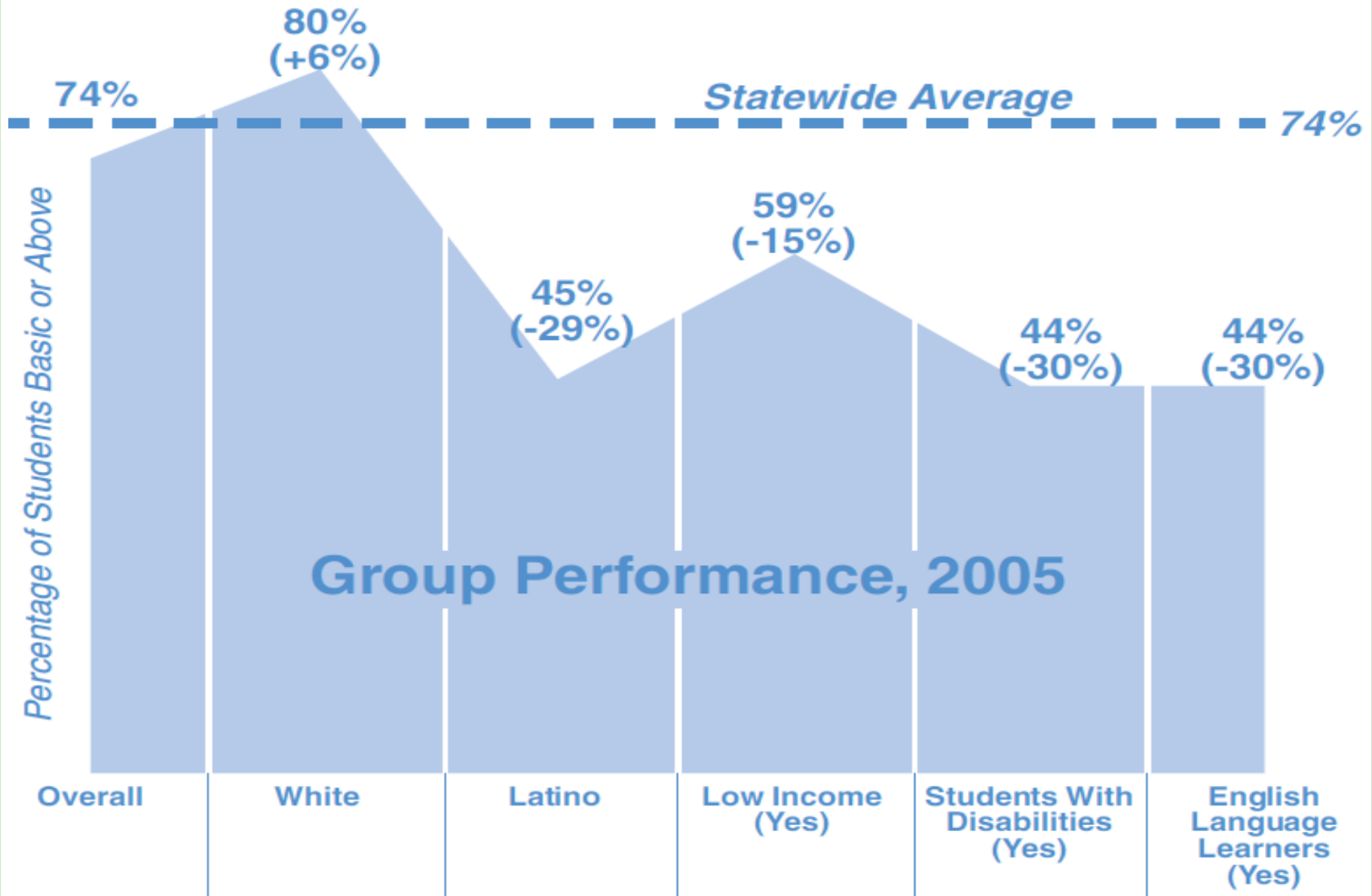
PERCENT PROFICIENT ON SCIENCE CRT BY ETHNIC SUBGROUP, 2004-08



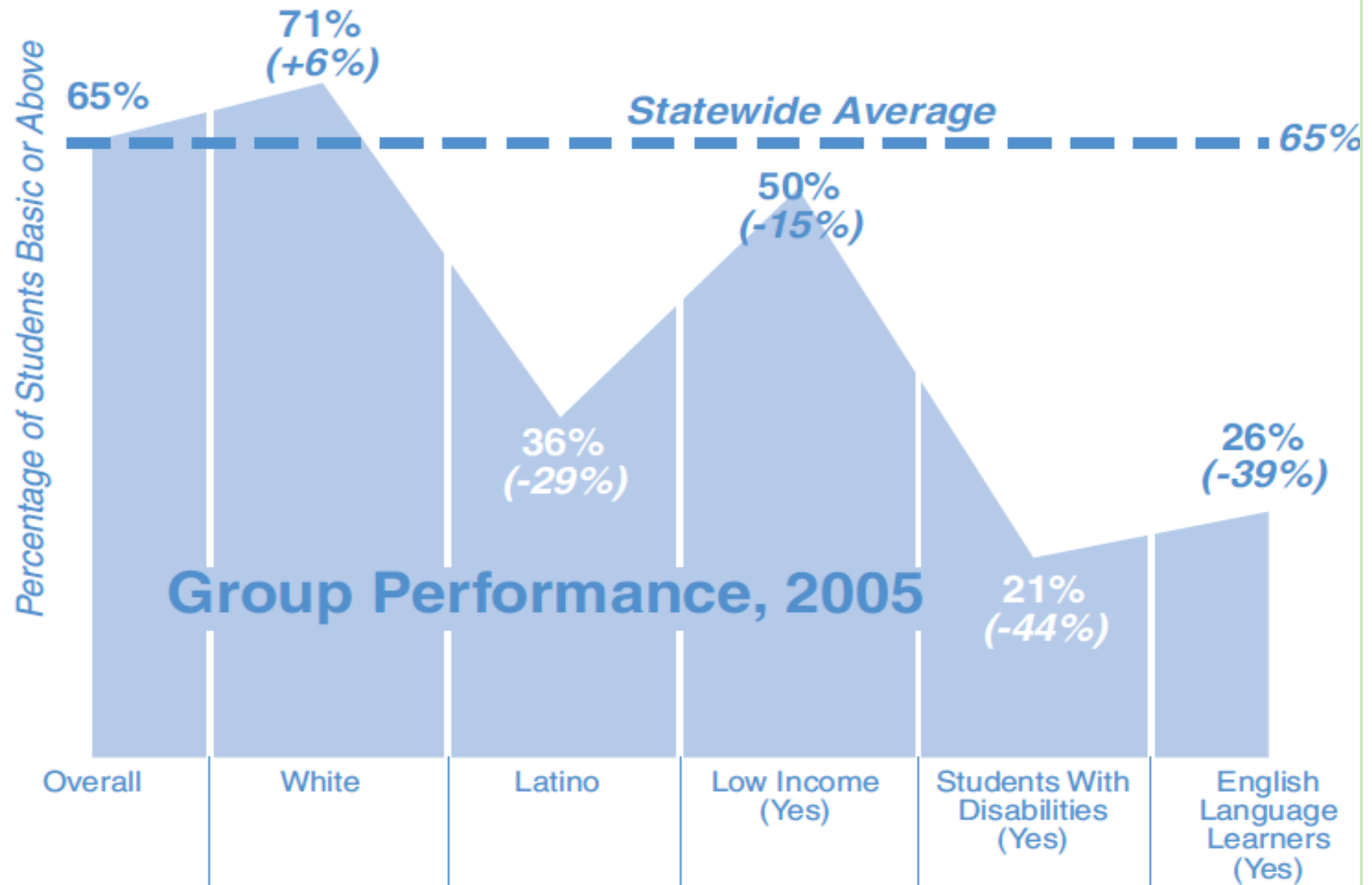
PERCENT PROFICIENT ON SCIENCE CRT BY SUBGROUPS, 2004-08



2005 NAEP 4TH GRADE SCIENCE ACHIEVEMENT GAP



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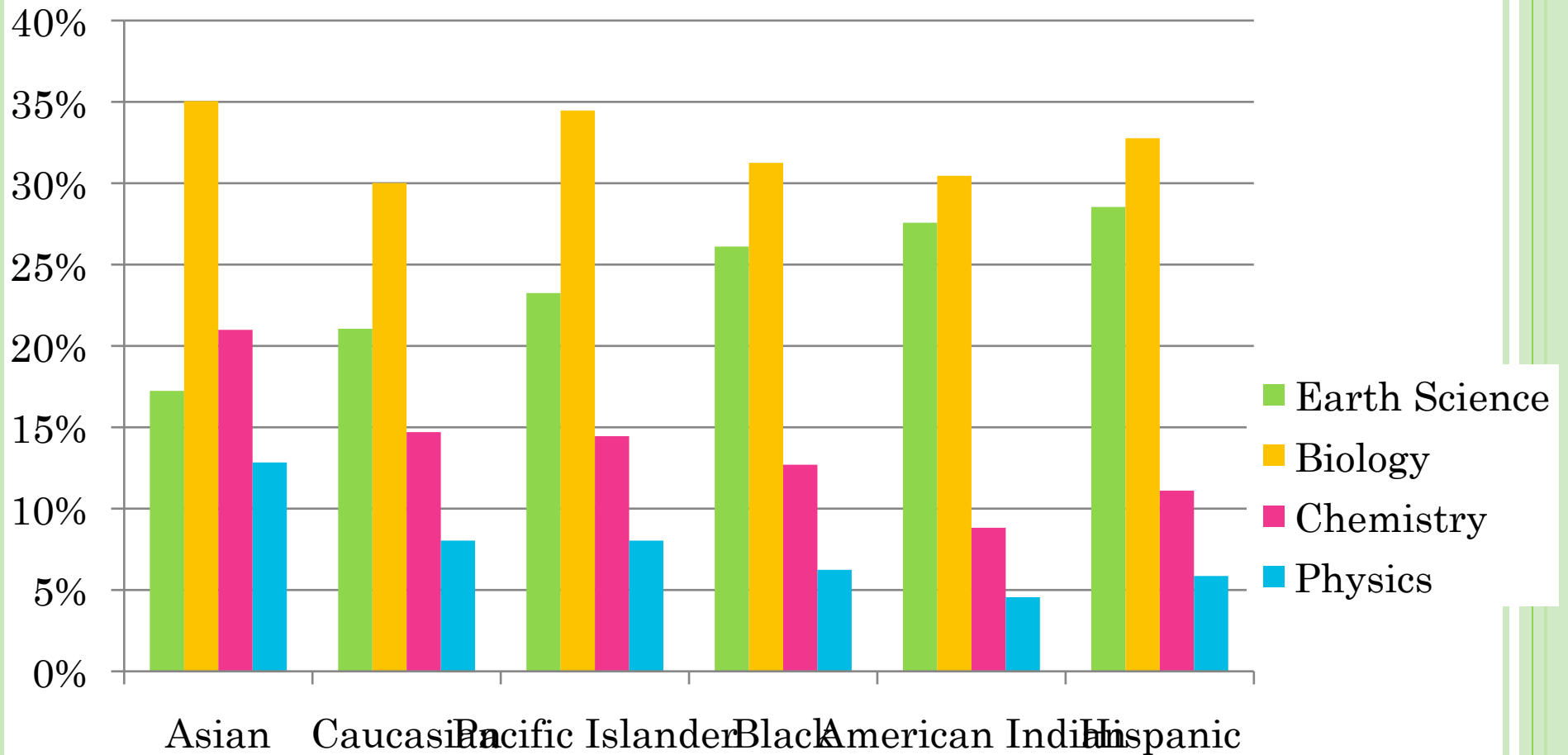


2005 NAEP SCIENCE SCALED SCORES

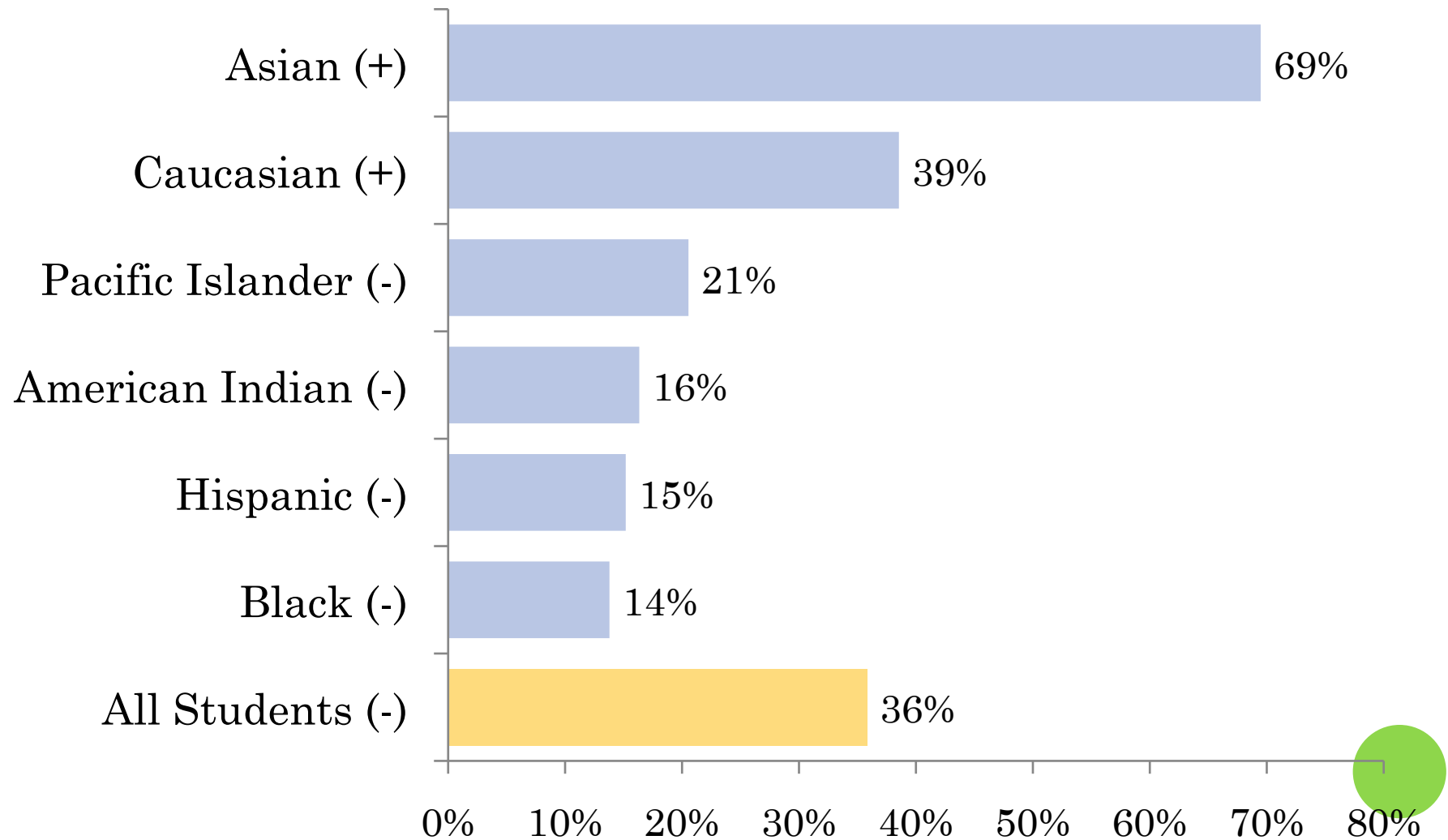
UTAH COMPARED TO THE NATION

Grade	Group	Utah	Nation	Significant Difference?
4 th	All Students	155	149	+
	White	160	161	=
	Hispanic	133	132	=
	Econ Disadv	144	135	+
8 th	All Students	154	147	+
	White	158	159	=
	Hispanic	130	127	=
	Econ Disadv	142	130	+

COMPARISON OF HS (GRADES 9-12) SCIENCE ENROLLMENT, SY 2008



PERCENTAGE OF 11TH AND 12TH GRADE STUDENTS WHO TOOK A COLLEGE LEVEL SCIENCE COURSE SY 2008



CLOSING THOUGHTS...

Though Utah performed on par or better than other states in Science, there is work to be done

- Science CRT percent proficient is lower than that in Math and Language Arts
- Assessments and Course data clearly show an achievement Gap
 - Caucasian and Asian students outperforming other ethnicities
 - Gap also found for other subgroups, though not as wide for Economically Disadvantaged

